

AMENDMENTS TO THE CLAIMS

Please cancel claims 4-6, 8, 10, 12, and 15-16. The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently amended) An edge node that receives content from a Network Operations Center (NOC) via a satellite broadcast content distribution network and distributes it to a last mile service provider, the edge node comprising:
 - one media server capable of serving both live and non-live content;
 - a receiving router to receive content from the NOC over the satellite broadcast content distribution network and distribute the received content to the media server;
 - a controller, connected with the receiving router to form a private Virtual Local Area Network (VLAN), to process incoming data packages and execute commands from the NOC that receives content from the satellite broadcast content distribution network and distributes it to the media server;
 - a load balancer;
 - an outbound router, connected with the load balancer to form a public VLAN that
transmits the received content from the media server to a last mile service provider and
having a terrestrial communication link to the NOC;
 - where the media server is connected to both the public and private VLANs; and
 - where the media server, private VLAN, and public VLAN exist in a single computer.
2. (Previously presented) The edge node of claim 1, further comprising a VPN connecting the public VLAN to the private VLAN.

3. (Previously presented) The edge node of claim 2, where said VPN allows access to the private VLAN from a remote location.

4. (Cancelled) ~~An edge node that receives content from a Network Operations Center (NOC) via a satellite broadcast content distribution network and distributes it to a last mile service provider, the edge node comprising:~~

~~a processor that executes for serving both live and non-live content;~~

~~a satellite interface, connected to the processor, that receives content from the satellite broadcast content distribution network;~~

~~a wire network interface, connected to the processor, for transmitting content to the last mile service provider and having a terrestrial communication link to the NOC;~~

~~where the processor, satellite interface, and wire network interface exist in a single personal computer.~~

5. (Cancelled) ~~The edge node of claim 1 where a terrestrial link provides a back channel to the NOC.~~

6. (Cancelled) ~~The edge node of claim 4 where a terrestrial link provides a back channel to the NOC.~~

7. (Previously presented) The edge node of claim 1 where the content is streamed.

8. (Cancelled) ~~The edge node of claim 4 where the content is streamed.~~
9. (Previously presented) The edge node of claim 1 further comprising one or more additional media servers capable of serving both live and non-live content.
10. (Cancelled) ~~The edge node of claim 4 further comprising one or more additional processors capable of serving both live and non-live content.~~
11. (Previously presented) The edge node of claim 1 further comprising shared storage connected to the private VLAN.
12. (Cancelled) ~~The edge node of claim 4 further comprising shared storage connected to the satellite interface and the processor.~~
13. (Previously presented) The edge node of claim 1 where the media server serves the received content in response to user request directed to the edge node by an Internet Redirection Engine (IRE).
14. (Previously presented) The edge node of claim 13 where the IRE is located at the NOC.

15. (Cancelled) ~~The edge node of claim 4 where the processor serves the received content in response to user request directed to the edge node by an Internet Redirection Engine (IRE).~~

16. (Cancelled) ~~The edge node of claim 15 where the IRE is located at the NOC.~~